Applicants have also amended the Sequence Listing of Record. More specifically, applicants have added sequences designated as SEQ ID NOS: 112-125, which are disclosed in Figure 10 of the application as originally filed.

Applicants submit that the foregoing amendment to the Sequence Listing does not introduce new matter. Applicants submit herewith a substitute paper and substitute computer readable copy of the Sequence Listing, along with a Statement Under 37 C.F.R. §1.821(f), stating that these copies are identical. A copy of the Notice to Comply is also enclosed.

Attached hereto is a marked-up version of the changes made to the specification. The attached page is captioned "**Version with Markings to Show Changes Made.**"

In view of the foregoing amendments and remarks, it is firmly believed that the subject application is in condition for allowance, which action is earnestly solicited.

Respectfully submitted,

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Encl. Version with Markings to Show Changes Made

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Paragraph beginning at page 10, line 12, has been amended as follows:

Figure 4 is a diagrammatic representation showing a predicted structure of MCG4 where H and C represent histidine and cysteine residues, respectively and X refers to any amino acid residue. Zn represents zinc atoms. The amino acid sequence of the structure is set forth in SEQ ID NO: 74.

Paragraph beginning at page 10, line 28, has been amended as follows:

Figure 8 is a representation of a partial alignment of *mcg*4 with human ESTs AA074703 and AA134788. Queries: nucleotides 446-704 (SEQ ID NO: 56); nucleotides 398-452 (SEQ ID NO: 58); nucleotides 767-810 (SEQ ID NO: 60); nucleotides 731-765 (SEQ ID NO: 62); nucleotides 701-732 (SEQ ID NO: 64); nucleotides 498-687 (SEQ ID NO: 66); nucleotides 398-495 (SEQ ID NO: 68); nucleotides 702-761 (SEQ ID NO: 70). Subjects: nucleotides 49-307 (SEQ ID NO: 57); nucleotides 2-56 (SEQ ID NO: 59); nucleotides 373-416 (SEQ ID NO: 61); nucleotides 336-370 (SEQ ID NO: 63); nucleotides 305-336 (SEQ ID NO: 65); nucleotides 103-292 (SEQ ID NO: 67); nucleotides 2-99 (SEQ ID NO: 69); nucleotides 309-368 (SEQ ID NO: [1]71).

Paragraph beginning at page 11, line 4, has been amended as follows:

Figure 10 is a representation showing MacVector alignment of MCG4 (SEQ ID NO: 3) with forward translations of ESTs AA134788 and AA074703. Aligned sequences: EST AA134788: phase 1 translation (SEQ ID NO: 112); phase 2 translation (SEQ ID NO: 113-117);

phase 3 translation (SEQ ID NO: 118); EST AA074703: phase 1 translation (SEQ ID NO: 119-120); phase 2 translation (SEQ ID NO: 121-122); phase 3 translation (SEQ ID NO: 123-125). The nucleotide sequences are shown in Figure 8.

Paragraph beginning at page 22, line 13 has been amended as follows:

Figure 24 is a representation showing homology of MCG18 (SEQ ID NO: 9) to human DnaJ protein HDJ-2/HSDJ (SEQ ID NO: 105), HDJ-1/HSP40 (SEQ ID NO: 106) and HSJ1 (SEQ ID NO: 107).

Paragraph beginning at page 13, line 30, has been amended as follows:

Figure 27 depicts nucleotide sequence (SEQ ID NO: 110) corresponding to the 5' untranslated region of human *mcg18* (SEQ ID NO: 8).